

Abstract

[0080] Optimal summaries of a linear media source are automatically produced by parameterizing a linear media source. The parameterized linear media source is used to create a similarity array in which each array element includes the value of a similarity measurement between a two portions of the parameterized media signal. A segment fitness function, adapted for measuring the similarity between a segment of the parameterized media signal and the entire parameterized media signal, is optimized to find an optimal segment location. The portion of the linear media source corresponding to the optimal segment location is selected as the optimal summary. This method produces optimal summaries of any type of linear media, such as video, audio, or text information.